

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **61271204 A**

(43) Date of publication of application: **01.12.1986**

(51) Int. Cl. **A61K 7/00**
A61K 9/00

(21) Application number: **60112039**
(22) Date of filing: **27.05.1985**

(71) Applicant: **SHISEIDO CO LTD**
(72) Inventor: **KANEKI HIROYUKI**
YAMAGUCHI MICHIIRO
MACHIDA YASUHIKO
AKIYASU AKIRA

(54) **LIPOSOME PHARMACEUTICAL**

(57) Abstract:

PURPOSE: A liposome pharmaceutical, obtained by embedding a hydroquinone glycoside on a lamella phase of a complex lipid, and incorporating sterol as a stabilizer therein and having improved stability and selective migration to the affected part of the hydroquinone glycoside and further sustained release properties.

CONSTITUTION: A liposome pharmaceutical obtained by embedding a hydroquinone glycoside expressed by the formula (R is residue, e.g. L-arabinose) in a lamella phase of a complex lipid, e.g. natural or synthetic phospholipid, at 1:0.2W0.7 weight ratio of

the former to the latter, and incorporating sterol, e.g. cholesterol or β -sitosterol, as a stabilizer therein. A charge is desirably imparted to the lamella phase of the complex lipid for enhancing the dispersion stability of the liposome. When a negative charge is imparted, a lipid, e.g. phosphatidyl serine or dicetyl phosphate, having the negative charge is incorporated. When a positive charge is imparted, a lipid, e.g. stearylamine, having the positive charge is incorporated.

COPYRIGHT: (C)1986,JPO&Japio

